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Titolo	Digital Endocasts : From Skulls to Brains / / edited by Emiliano Bruner, Naomichi Ogihara, Hiroki C. Tanabe
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ISBN	4-431-56582-5
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (X, 289 p. 143 illus., 106 illus. in color.)
Collana	Replacement of Neanderthals by Modern Humans Series, , 2365-063X
Disciplina	301
Soggetti	Anthropology Archaeology Human anatomy Neurology Anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Endocasts -- Endocasting skulls -- The brain and the braincase -- Digital reconstruction of fossil endocasts -- Paleneurology and primates -- Dinos and birds paleoneurology -- Inferring cortical subdivisions based on skull morphology -- Part II Computed Morphometrics -- Landmarking brains -- Digital restoration of fossil brain morphology -- Endocranial integration in hominoid primates -- Endocasts and the evo-devo approach to study human brain evolution -- Endocast Network modeling -- Endocranial metabolism and vascular system -- Part III Brain and Evolution -- Frontal lobes evolution -- Parietal lobes evolution -- Temporal lobes evolution -- Occipital lobes evolution -- Cerebellum evolution.
Sommario/riassunto	This book is dedicated to a specific component of paleoneurology, probably the most essential one: endocasts. A series of original papers collected here focuses on describing methods and techniques that are dedicated to reconstruct and study fossil endocasts through computed tools. The book is particularly oriented toward hominid paleoneurology, although it also includes chapters on different taxa to provide a more general view of current perspectives and problems in evolutionary neuroanatomy. The first part of the book concerns techniques and

tools to cast endocranial anatomy. The second part deals with computed morphometrics, and the third part is devoted to comparative neurobiology. Those who want to approach the field in general terms will find this book especially helpful, as will those researchers working with endocranial anatomy and brain evolution. The book will also be useful for researchers and graduate students in anthropology, bioarchaeology, medicine, and related fields.